BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estime for Providing CCTV Cameras to the crematorium at Hebbal Kempapura Ward No 07

Ward No. 04 **Estimate No:-** **For Rs.** **400000.00**

Sl No	SR Page & SL No	Description Of Work	Unit	Qty	Rate	Amount
1	88/12.2.3	Supplying, erecting, testing & commissioning of OFF-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with all accessories complete and Excluding batteries and wiring complete.2 KVA OFF LINE UPS One Hour back up Excluding 3x 80Ah batteries	Mtrs	1	24352.00	24352.00
2	88/12.4.4	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Low maintenance Tubular batteries.12 V ,100 AH capacity Acid Battery	Mtrs	2	16100.00	32200.00
3	85/11.4.1	Supplying & Fixing of switch mounting rack with power manager & Cable manager. 6U with 450mm depth	Nos	1	4394.00	4394.00
4	08/2.8.3	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A.4C X 1.5Sq.mm	Mtrs	770	67.00	51590.00
5	2/1.1.2	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Mtrs	325	70.00	22750.00
6	Ar	DS-7B16HUHI-K2 – DVR -HIKVISION Supports up to 5 MP Camera	Nos	1	30115.00	30115.00
7	Ar	DS-2CE5AHOT-ITPF-DOME camera -5 MP - HIKVISION	Nos	6	2975.00	17850.00
8	Ar	DS-2CE1AHOT-ITPF-BULLET camera -5 MP - HIKVISION	Nos	8	3945.00	31560.00
9	Ar	4 TB Hard Disk- WD Surveillance	Nos	1	13520.00	13520.00
10	Ar	Power Supply for Camera 12 V-16 Amps – ERD	Nos	14	2550.00	35700.00
11	Ar	32" TV – LED – TCL/LG/Samsung	Nos	1	28150.00	28150.00
12	Ar	Installation & Configuration of DVR Camera	Set	1	14850.00	14850.00
13	Ar	Huawei 4g Dongle E 8732 4 G Switch	Nos	1	4625.00	4625.00
14	Ar	Tplink MR 3020 4G Switch for remote Viewing	Nos	1	2758.00	2758.00

15	25/4.29.2	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts	Nos	6	1774.00	10644.00
16	4.35	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection-Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified	Nos	4	18720.00	74880.00
17		Mislenious Charges Rs	Ls			62.00
		Total Rs				**400000.00**

Administrative Sanction for Rs. 4.00 LAKHS
RUPEES FOUR LAKHS ONLY
is accorded under P-0287 M AND R TO ELECTRICAL CREMATORIA
Registered as EE No. 09/2018-19 Subject to conditions contained in enclosed memo No. BBMP/EE/ELE/42/AS/09/2018-19 Dt 25-09-2018
Executive Engineer

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM SR and Approved Rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

TECHNICALLY SANCTIONED FOR Rs. 4.00LAKH
Rupees FOUR LAKHS ONLY
Under P 0287 M AND R TO ELECTRICAL CREMATORIA
Registered as EE ( ) No. 09/2018-19
Subject to conditions contained in enclosed memo EE ( ) No. EE/ELE/42/AS/09/18-19
Dt. 25.09.2018
Estimate A/ Sanctioned BBMP/EE/ELE/42/TS/09/2018-19
Dated 25.09.2018 Rs. 4.00LAKHS
Executive Engineer

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE